



**Myhal Centre for Engineering
Innovation & Entrepreneurship**

Building Enclosure Engineering

University of Toronto

Synergy was initially asked to peer review the building enclosure design detailing given the complex detailing between unitized curtain wall systems, precast concrete cladding panels with embedded brick slips, and precast concrete panel shading features.



Synergy provided design advice to improve construction sequencing and detailing to improve overall building enclosure performance and durability.



Synergy also provided a testing protocol and strategies to evaluate and manage freeze-thaw risks for the brick slips that were embedded in the precast concrete wall panels. Synergy reviewed building enclosure construction and provided remedial repair direction where construction was not in accordance with project details.
